

Mathematics, Science & Health Careers

Mix Up a Career in Chemistry

Liberal Arts and Science Chemistry Option (CHM.AS)

Camden County College's chemistry option provides students with a foundation in liberal arts and a concentration in chemistry. The program transfers to four-year colleges



and universities as well as prepares students for entry-level positions in science-related fields that require an associate's degree.

"Our students have a general interest in science and a sense of curiosity," says Professor Susan Choi. "Technology in scientific fields is

always changing, so you must be willing to continuously learn in order to stay up to date."

The program has a strong laboratory component that gives students hands-on practice with typical equipment and procedures. Professor Choi assures that students who graduate from this program will be prepared to meet new challenges in employment or achieve further education.

In addition to its regular courses for majors, the Chemistry Department offers several courses for non-majors. These include "Introduction to Forensic Science," "Chemistry and Society" and "Chemistry of Art Materials."

For more information, contact **Professor Choi** at (856) 227-7200, ext. 4110, or schoi@camdencc.edu. ▶▶

New Degree in Hospitality Technology

Starting with the Fall 2009 semester, Camden County College is offering an associate's degree in hospitality technology. This program will expand upon the four areas addressed by the professional certificates in hospitality technology that the College already offers: meeting and event planning; hotel and resort



management; food service management; and culinary studies. Many four-year colleges and universities in the area have expressed interest in allowing CCC graduates to transfer to pursue their bachelor's degrees in hospitality management.

This program will give students the knowledge and skills necessary to

begin or expand on career opportunities in hospitality. The curriculum provides a balance of general education requirements along with the academic coursework and practical, real-world experience needed to succeed in this growing local industry.

Hospitality – which includes food service establishments, lodging, meeting venues and resorts – is growing faster than most other industries. According to the U.S. Bureau of Labor Statistics, 12.4 million people currently work in the hospitality industry. Overall, the industry has been predicted to grow 17 percent between 2004 and 2014, adding more than 2.2 million jobs to the nation's workforce. In New Jersey, the leisure and hospitality industry has, indeed, enjoyed strong growth in recent years. This sector is expected to continue to have strong growth and will add 54,300 jobs by 2014.

For more information, contact program coordinator **Maureen Reidenauer** at (856) 227-7200, ext. 4341, or mreidenauer@camdencc.edu. ▶▶

Meet Our Faculty

Chemistry Department chair **Susan Choi** knows a lot about good chemistry.

She worked for DuPont in Delaware for eight years after earning her doctorate in chemistry at Penn State University. She started in the research lab and moved to administration and market development, but it was her love for teaching that brought her to Camden County College as an adjunct in 2003. When a full-time position in chemistry became available in 2004, she applied and has never looked back.



Professor Choi is excited about two new endeavors under her direction. The first is a chemistry course that was developed in collaboration with the dietetics program.

"Fundamentals of Food Science" shows how chemistry relates to food," she says. "For example, how does pH affect food spoilage?"

The second is a biotechnology program in cell and tissue cul-

ture that leads to an associate in applied science degree. It was put together in partnership with the Biology Department and includes a core of chemistry and biology courses, an internship and a capstone course in cell and tissue culture.

The program came about after the College received a grant from the state Department of Labor. For the grant, biotech companies in the region identified the skills they need for technicians in their industry.

"We are excited about this program," says Professor Choi. "This is a growth field, and there are a number of companies and institutes in the region who do research, such as GlaxoSmithKline, Coriell Institute, the University of Medicine and Dentistry of New Jersey, the Children's Hospital of Philadelphia and Fox Chase Cancer Center, to name a few of the larger ones."

The grant is enabling CCC to purchase \$50,000 worth of new state-of-the-industry lab equipment. As a result, students will be able to work with the same equipment that they will use in the workforce. This includes a cell-culture incubator, a fluorescent microscope and a cryogenic storage system.

Although the program is designed for students who want to enter the workforce immediately upon graduation from CCC, Professor Choi notes that transfer opportunities to earn bachelor's degrees exist, too.

For more information, check out Professor Choi's podcasts, which can be located by clicking the "CCC on iTunes U" link at www.camdencc.edu.

New Multi-Skilled Technician Certificate

This fall, Camden County College is introducing its Multi-Skilled Technician Certificate of Achievement Program. If you are a certified nurse aide or CNA, you can expand your skills and increase your job opportunities and income potential by becoming a multi-skilled technician. And you can do it in just one semester.

For more information, call (856) 227-7200, ext. 4359.